

# Algeria

Energy Efficiency/CO <sub>2</sub> <sup>1</sup> Indicators	Units	1980	1990	2000	<sup>4</sup> 2008
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.112	0.167	0.173	0.180
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.111	0.167	0.172	0.180
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.073	0.117	0.133	0.168
Final energy intensity (at ppp)	koe/\$05p	0.055	0.080	0.081	0.100
Final energy intensity at 2005 GDP structure <sup>3</sup> (ppp)	koe/\$05p	0.052	0.076	0.080	0.101
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.054	0.082	0.094	0.119
Ratio final/primary intensity	%	52.0	55.0	53.5	61.1
CO <sub>2</sub> intensity (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.384	0.397	0.425
CO <sub>2</sub> emissions per capita	tCO <sub>2</sub> /cap	n.a.	2.01	2.04	2.69
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.026	0.038	0.036	0.045
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.137	0.118	0.137	0.184
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	0.201
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
Share of electric process in steel production	%	n.a.	4.4	10.7	0.4
Share of industrial cogeneration in power generation	%	0.0	0.0	0.0	0.0
CO <sub>2</sub> intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.104	0.100	0.115
CO <sub>2</sub> emissions of industry <sup>2</sup> per capita	tCO <sub>2</sub> /cap	n.a.	0.28	0.27	0.36
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.021	0.028	0.025	0.029
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	0.64	0.70
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> intensity of transport to GDP (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.082	0.074	0.086
CO <sub>2</sub> emissions of transport per capita	tCO <sub>2</sub> /cap	n.a.	0.43	0.38	0.54
<b>Households</b>					
Average electricity consumption of households per capita	kWh/cap	56	136	211	321
Average electricity consumption of electrified households	kWh/hh	n.a.	1153	1347	1980
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Per capita installed capacity of solar water heaters	m <sup>2</sup> /1000inhab	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of residential sector per household	tCO <sub>2</sub> /hh	n.a.	1.98	1.99	3.01
<b>Services</b>					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.013	0.016	0.016	0.023
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	31	56	91	110
Unit consumption of services per employee	toe/emp	0.22	0.23	0.14	0.20
Unit electricity consumption of services per employee	kWh/emp	544	817	788	952
CO <sub>2</sub> intensity of service sector (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.033	0.025	0.042
CO <sub>2</sub> emissions of service sector per employee	tCO <sub>2</sub> /emp	n.a.	0.48	0.21	0.37
<b>Agriculture</b>					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.039	0.046	0.029	0.043
CO <sub>2</sub> intensity of agriculture (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.139	0.085	0.128
CO <sub>2</sub> emissions of agriculture sector per capita	tCO <sub>2</sub> /cap	n.a.	0.06	0.04	0.09
<b>Transformation sector</b>					
Efficiency of total electricity generation	%	29.0	32.5	32.7	33.9
Rate of electricity transmission-distribution losses	%	14.3	19.4	22.0	21.5
Efficiency of thermal power plants	%	28.3	32.3	32.7	33.7
Share of renewables in electricity generating capacity	%	13.2	6.1	4.4	2.6
Share of renewables in gross electricity consumption	%	3.6	0.8	0.2	0.7

<sup>1</sup> CO<sub>2</sub> from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

<sup>4</sup> Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	6358	6215	6087	7425
Average electricity price (at ppp)	c05p/kWh	n.a.	9.4	6.9	7.7
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	0.52	0.42